The well-rounded Home Theater PC

THE WELL-ROUNDED HD HOME THEATER PC

Watch and record HDTV, Internet-based TV, viral video and Blu-ray Disc™ movies[11] on your big screen TV.

TV tuner and DVR capabilities with 500GB storage[2] to record up to 50 hours of HDTV.

Watch viral video, manage photos and videos, surf the web and email on your big screen TV[4].

Easy and convenient to digitally connect to your TV and audio equipment through an HDMI™ cable.

PC INTELLIGENCE FOR YOUR TV

New hafnium-based processor chipset turns up the speed on multi-tasking while curbing energy consumption. Featuring an Intel® Core™ 2 Duo Processor T8100 (2.10GHz[1], 3MB L2 Cache).

Browse the web and e-mail[9] from your sofa using the wireless keyboard and remote control.

Built-in 802.11 b/g wireless LAN lets you wirelessly connect to your home network connection[9].

Optimal cooling design and insulated hard drive keeps the unit whisper-quiet and cool, making it ideal for the living room.

BraviaSync integrates the Bravia® TVs with the Home Theater PC for one-touch control of both components.

The well-rounded VAIO® TP20 Home Theater PC is a super-powerful entertainment PC for your TV featuring digital and analog tuners, DVR capabilities and Blu-ray Disc™ technology. Use your compatible HDTV as a display while you surf the web, watch viral video and view and record HD programming (up to 50 hours) to a massive 500GB hard drive[2].

VGX-TP20E/B

VAIO® TP Living Room PC

Specifications

General

Computer Type: Digital Home
Type of Use: Living Room PC

Hardware

Pointing Device: Electro Static Touch Pad on Keyboard
Keyboard: Wireless Keyboard

Processor

Type: Intel® Core™ 2 Duo Processor T8100
Speed: 2.10GHz[1]
Front Side Bus Speed: 800MHz
L2 Cache: 3MB

Memory

Type: DDR2
Installed: 2GB (1GBx2) PC2-5300
Maximum: 4GB[10]
Speed: 667MHz

Hard Drive

Capacity: 500GB[2]
Speed: 7200rpm
Interface: SATA

Optical Drive #1

DVD+R DL Write: 2.4x max.
DVD+R Write: 8x max.
DVD+RW Write: 4x max.
DVD-R Write: 8x max.
DVD-RW Write: 4x max.
CD-R Write: 8x max.
CD-RW Write: 16x max.
CD Read: 24x max.
DVD Read: 8x max.
DVD-RAM Write: 5x max.
DVD-R DL Write: 2x max.
BD-R Read: 2x max.
BD-ROM Read: 2x max.
BD-RE Read: 2x max.
BD-R DL Read: 1.6x max.
DVD-RAM Read: 5x max.
Blu-Ray Disc™ Support: Yes[11] (BD-ROM/DVD±R DL/DVD±RW/-RAM)
BD-RE DL Read: 1.6x max.

Expansion Slots

Multimedia Card Reader: Memory Stick®[8] media supports Memory Stick PRO™ and Memory Stick Duo™ media
One Secure Digital (SD™ memory card) Slot
PCI Slot: 2 (1 available)
x16 PCI Express: 1 (occupied by graphics card)
TV Tuner: TV tuner with ATSC and NTSC support

Audio

Sound System: Intel® High Definition Audio compatible

Graphics

Processor: NVIDIA® GeForce® 8400M GT GPU with Total Available Graphics Memory of 1023MB (max.)[5]
Video RAM: 256MB dedicated video memory
Chipset: Mobile Intel® PM965 Express Chipset

Inputs and Outputs

Ethernet Port: 1
HDMI™ Connection Output(s): 1
Headphone Jack: 1
Microphone Input: 1
USB Port(s): 4 (2.0 compliant)
VGA Output(s): 1
VHF/UHF Input(s): 1 (NTSC)
DC-In: 1
IR Output(s): 1
i.LINK® Connection: 1 i.LINK® interface[4] 4-pin (Front)
WLAN antenna: 1
TV Tuner: 2 (NTSC and ATSC Support)
S/PDIF Output(s): 1

Networking/Modem

Ethernet Protocol: Fast Ethernet (RJ-45)
Ethernet Speed: 10Base-T/100Base-TX
Wireless LAN: IEEE 802.11bg[9]

Power

Power Management: ACPI 1.0 Compliant
Power Requirements: 150W+10%

Software

Operating System: Genuine Microsoft® Windows Vista® Home Premium
Sony® Original Software: Click to Disc™ - DVD Creation
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.

Service and Warranty Information

Limited Warranty: 1 Year Limited Warranty[6]
Telephone Support: 1 year (toll-free assistance, available 24-hours, 7-days-a-week)[7]
Online and Email Support: Support available from, http://www.esupport.sony.com/EN/VAIO

Dimensions

Weight: 8.16 lbs (weight is approximate and may vary)
Measurements: 10.63" Diameter x 3.58" Height

Supplied Accessories

Remote Control
Wireless Keyboard
HDMI™ Cable
HDMI-DVI Adapter
Wireless Antenna
AV Cable Adapter
RF (Antenna) Cable
AC Adapter
AA Batteries (6)
USB External ATSC TV Tuner

Color: Black
UPC Code: 027242737754

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. DVD Media/Formats are not universally compatible.
4. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
5. Total Available Graphics Memory refers to the new Windows Vista classification of graphics memory, which is the total of Dedicated Video Memory, System Video Memory and Shared System Memory.
6. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.sony.com/pcsupport, call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
7. For certain third party software applications, Sony provides first level Phone Support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
8. Does not support Memory Stick media and Memory Stick PRO media using the MagicGate function. Tested to support Memory Stick PRO media for up to 1GB. Does not support 5.0V SmartMedia media or the ID function of SmartMedia media with IDs. Does not support the SD Memory Card media copyright protection function.
9. Requires 802.11b or 802.11g compatible access point. Some functionality may require Internet services, which may require a fee.
10. A portion of the system memory over 3GB may not be available to the operating system.
11. As with other optical media devices, circumstances may limit compatibility or prevent Blu-ray Disc™ media playback. VAIO computers may not support movie playback on packaged media recorded in AVC or VC1 formats at high bit rates.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware option except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of non-Sony products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Some pre-installed software titles may not include full documentation. Software titles pre-installed on the Sony Desktop Computer are subject to change without notice. Simulated graphic shown on display. Weights and measurements are approximate and may vary.

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